

**Amendments to the Claims:**

This listing of claims will replace all prior versions, and listings, of claims in the application:

Amend claims 4, 6, 19, and 22 as follows.

**Listing of Claims:**

- 1           **1. (Original)** A work-management method comprising:  
2               determining a probability of availability at a future point in time  
3               of each of a plurality of resources;  
4               combining the probabilities to obtain a number; and  
5               using the number to schedule new tasks for the resources for  
6               the future point in time.
  
- 1           **2. (Original)** The method of claim 1 wherein:  
2               using comprises  
3               scheduling for the future point in time no more than the number  
4               of the new tasks to become available for servicing by the plurality of the  
5               resources.
  
- 1           **3. (Original)** The method of claim 1 wherein:  
2               combining comprises  
3               summing the probabilities to obtain the number.
  
- 1           **4. (Currently amended)** The method of claim 1 wherein  
2               determining comprises  
3               for each of the resources, determining an amount of time  $t$  that  
4               the resource has been servicing a task by now;  
5               for each of the resources, determining a probability  $F(t+h)$  of  
6               the resource servicing its task to completion within a total amount of time  
7                $t+h$ , where  $h$  is an amount of time;

8                   for each of the resources, determining a probability  $F(t)$  of the  
9   resource completing servicing its task by now; and  
10                 for each of the resources, determining a probability  $P$  that the  
11   resource will complete servicing its task at the future point in time ~~an the~~  
12   amount of time  $h$  from now as  $\frac{F(t+h)-F(t)}{1-F(t)}$ .

1                 5. (Original) The method of claim 1 in a call center wherein:  
2   tasks comprise calls; and  
3   scheduling comprises  
4   in response to  $P$ , determining whether or not to initiate or  
5   cancel an outbound call.

1                 6. (Currently amended) A work-management method  
2   comprising:  
3         determining an amount of time  $t$  that a resource has been  
4   servicing a task by now;  
5         determining a probability  $F(t+h)$  of the resource servicing the  
6   task to completion within a total amount of time  $t+h$ , ~~where h is an amount~~  
7   ~~of time~~;  
8         determining a probability  $F(t)$  of the resource completing  
9   servicing the task by now;  
10         determining a probability  $P$  that the resource will complete  
11   servicing the task within ~~an the~~ amount of time  $h$  from now as  
12    $\frac{F(t+h)-F(t)}{1-F(t)}$ ; and  
13         in response to  $P$ , scheduling another task for servicing.

1                 7. (Original) The method of claim 6 wherein:  
2   scheduling comprises

3                   in response to  $P$ , determining whether or not to initiate said  
4   another task.

1                   **8. (Original)** The method of claim 6 in a call center wherein:  
2                   tasks comprise calls; and  
3                   scheduling comprises  
4                   in response to  $P$ , determining whether or not to initiate an  
5   outbound call.

1                   **9. (Original)** The method of claim 6 further comprising:  
2                   performing the determining steps for a plurality of resources,  
3   and  
4                   determining a number of the resources that will likely have  
5   completed servicing their respective tasks within the amount of time  $h$   
6   from now as a sum of the probabilities  $P$  determined for individual ones of  
7   the plurality of resources; wherein  
8                   scheduling comprises  
9                   in response to determining the number of the resources,  
10   scheduling new tasks for servicing.

1                   **10. (Original)** The method of claim 9 wherein:  
2                   scheduling tasks for servicing comprises scheduling no more  
3   than the number of the tasks for servicing.

1                   **11. (Original)** The method of claim 6 wherein:  
2                   determining a probability  $F(t+h)$  comprises  
3                   obtaining historical task-completion statistics, and  
4                   from the obtained statistics determining the probability  $F(t+h)$ ;  
5   and  
6                   determining a probability  $F(t)$  comprises  
7                   from the obtained statistics determining the probability  $F(t)$ .

1           **12. (Original)** The method of claim 11 wherein:  
2           obtaining historical task-completion statistics comprises  
3           obtaining a mean and a variance of time historically spent by  
4           resources on servicing tasks to completion.

1           **13. (Original)** The method of claim 6 wherein:  
2           determining a probability  $F(t+h)$  comprises  
3           obtaining historical task-completion statistics,  
4           fitting the task-completion statistics into a lifetime closed-form  
5           cumulative-probability distribution to determine parameters of the  
6           distribution, and  
7           evaluating the distribution with the determined parameters and  
8           the total amount of time  $t+h$  to obtain  $F(t+h)$ ; and  
9           determining a probability  $F(t)$  comprises  
10          evaluating the distribution with the determined parameters and  
11          the amount of time  $t$  to obtain  $F(t)$ .

1           **14. (Original)** The method of claim 13 wherein:  
2           obtaining historical task-completion statistics comprises  
3           obtaining a mean and a variance of time historically spent by  
4           resources on servicing tasks to completion;  
5           the cumulative-probability distribution  $F$  comprises a Weibull  
6           distribution; and  
7           the parameters comprise a dispersion parameter and a  
8           parameter of central tendency.

1           **15. (Original)** The method of claim 6 wherein:  
2           determining an amount of time  $t$  comprises  
3           determining the amount of time  $t$  that the resource has been  
4           servicing a task of one of a plurality of different types of tasks; and

5           determining historical task-completion statistics comprises  
6           determining the historical task-completion statistics for the one  
7   type of tasks.

1       **16. (Original)** The method of claim 6 wherein:  
2           scheduling another task comprises  
3           in response to  $P$  initiating preparation of a task that may require  
4   servicing by an agent at a later time.

1       **17. (Original)** The method of claim 6 wherein:  
2           determining a probability  $F(t+h)$  comprises  
3           obtaining a historical histogram for task completion, and  
4           evaluating a cumulative said probability with the obtained  
5   histogram for the total amount of time  $t+h$  to obtain  $F(t+h)$ ; and  
6           determining a probability  $F(t)$  comprises  
7           evaluating the cumulative probability with the obtained  
8   histogram for the amount of time  $t$  to obtain  $F(t)$ .

1       **18. (Original)** The method of claim 6 wherein:  
2           scheduling comprises  
3           in response to  $P$ , canceling preparation of a task that could  
4   require servicing by a resource.

1       **19. (Currently amended)** An apparatus that effects having  
2   means for effecting the method of one of claims 1-18.

1       **20. (Original)** A computer-readable medium containing  
2   instructions which, when executed in a computer, cause the computer to  
3   perform the method of one of claims 1-18.

1                 **21. (Original)** A work-management apparatus comprising:  
2                 means for determining a probability of availability at a future  
3     point in time of each of a plurality of resources;  
4                 means cooperative with the determining means for combining  
5     the probabilities to obtain a number; and  
6                 means cooperative with the combining means for scheduling  
7     for the future point in time no more than the number of new tasks for  
8     servicing by the plurality of the resources.

1                 **22. (Currently amended)** A work-management apparatus  
2     comprising:  
3                 means for determining an amount of time  $t$  that a resource has  
4     been servicing a task by now;  
5                 means cooperative with the time-determining means for  
6     determining a probability  $F(t+h)$  of the resource servicing the task to  
7     completion within a total amount of time  $t+h$ , where h is an amount of time;  
8                 means cooperative with the time-determining means for  
9     determining a probability  $F(t)$  of the resource completing servicing the task  
10    by now;  
11                 means cooperative with both of the probability-determining  
12    means for determining a probability  $P$  that the resource will complete  
13    servicing the task within an the amount of time  $h$  from now as  
14    
$$\frac{F(t+h)-F(t)}{1-F(t)}$$
; and  
15                 means cooperative with the P-determining means and  
16    responsive to P for scheduling another task for servicing.